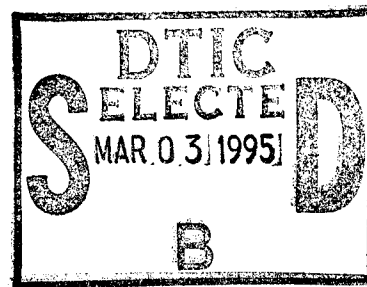


FY 1996/1997 Biennial Budget Estimates

AIR FORCE RESERVE

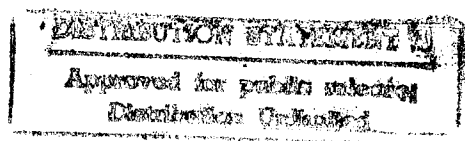


FY 96 MILITARY CONSTRUCTION PROGRAM

February 1995

19950224 005

Justification Data Submitted to Congress



**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1996
MILITARY CONSTRUCTION PROGRAM**

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DTIC QUALITY INSPECTED 4

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM
(DOLLARS IN THOUSANDS)**

MAJOR CONSTRUCTION

FY 1996 MILITARY CONSTRUCTION STATE LIST

<u>STATE/ COUNTRY</u>	<u>INSTALLATION AND PROJECT</u>	<u>AUTH AMOUNT</u>	<u>APPROP AMOUNT</u>	<u>DD FORM 1391 PAGE #</u>
Alabama	Maxwell AFB			
	Composite Maintenance Facility	<u>3,608</u>	<u>3,608</u>	3
	SUBTOTAL	3,608	3,608	
California	March ARB			
	Fire Training Facility	<u>1,550</u>	<u>1,550</u>	7
	SUBTOTAL	1,550	1,550	
Indiana	Grissom ARB			
	Fire Training Facility	<u>1,500</u>	<u>1,500</u>	12
	SUBTOTAL	1,500	1,500	
New York	Niagara Falls ARS			
	Fuels Systems Maintenance Hangar	<u>4,895</u>	<u>4,895</u>	17
	SUBTOTAL	4,895	4,895	
Ohio	Youngstown ARS			
	Construct Aircraft Parking Apron	<u>3,350</u>	<u>3,350</u>	21
	Add to and Alter Electric Substation	<u>4,230</u>	<u>4,230</u>	23
	Upgrade Base Water Distribution System	<u>1,000</u>	<u>1,000</u>	25
	SUBTOTAL	8,580	8,580	
	TOTAL IN THE UNITED STATES	20,133	20,133	
Worldwide	Unspecified Minor Construction	<u>4,169</u>	<u>4,169</u>	28
	Arch & Eng Svcs and Const Design	<u>2,700</u>	<u>2,700</u>	30
	GRAND TOTAL	27,002	27,002	

Accession For	
NTIS GRA&I	<input checked="checked" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
<i>See ADA 277413</i>	
By _____	
Distribution/ _____	
Availability Codes	
Dist	Avail and/or Special
<i>A-1</i>	

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM
(DOLLARS IN THOUSANDS)**

MAJOR CONSTRUCTION

FY 1996 NEW MISSION/ENVIRONMENTAL/CURRENT MISSION LISTING

<u>LOCATION</u>	<u>PROJECT</u>	<u>COST</u>	<u>NEW/ENVIR/ CURRENT</u>
Maxwell AFB, AL	Composite Maintenance Facility	3,608	Current
March AFB, CA	Fire Training Facility	1,550	Environmental
Grissom ARB, IN	Fire Training Facility	1,500	Environmental
Niagara Falls ARS, NY	Fuels Systems Maintenance Hangar	4,895	Current
Youngstown ARS, OH	Construct Aircraft Parking Apron	3,350	New
Youngstown ARS, OH	Add to and Alter Electric Substation	4,230	New
Youngstown ARS, OH	Upgrade Base Water Distribution System	<u>1,000</u>	Environmental
	TOTAL	20,133	
 Subtotals:			
	New Mission	7,580	
	Current Mission	8,503	
	Environmental Work	4,050	
	Arch & Eng Svcs and Const Design	2,700	
	Unspecified Minor Construction	<u>4,169</u>	
	GRAND TOTAL	27,002	

SECTION 1

SPECIAL PROGRAM CONSIDERATIONS

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM
(DOLLARS IN THOUSANDS)**

MAJOR CONSTRUCTION

FY 1996 POLLUTION ABATEMENT/ENERGY CONSERVATION LISTING

<u>LOCATION</u>	<u>PROJECT</u>	<u>COST</u>	<u>TYPE</u>	<u>DD Form</u> <u>1391</u> <u>Page #</u>
March AFB, CA	Fire Training Facility	1,550	Abatement	7
Grissom ARB, IN	Fire Training Facility	1,500	Abatement	12
Youngstown ARS, OH	Upgrade Base Water Distribution System	<u>1,000</u>	Abatement	25
	TOTAL	4,050		
	Subtotals:			
	Pollution Abatement	4,050		
	Energy Conservation	<u>0</u>		
	GRAND TOTAL	4,050		

SECTION 2

BUDGET APPENDIX EXTRACT

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM**

FY 1996 APPROPRIATION LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE RESERVE

For construction, acquisition, expansion, rehabilitation, and conversion of facilities for the training and administration of the Air Force Reserve as authorized by Chapter 133 of Title 10, United States Code, and military construction authorization acts, (\$56,958,000) \$27,002,000 to remain available until 30 September (1999) 2000. (*Military Construction Appropriations Act, 1994*)

() indicates Fiscal Year 1995 appropriations.

Mil. Con., Air Force Reserve
Program and Financing (in Thousands of dollars) SUMMARY

10 JAN 95

		Budget Plan (Amounts for MILITARY CONSTRUCTION actions programed)				Obligations			
Identification code	57-3730-0-1-051	1994 Actual	1995 Est	1996 Est	1997 Est	1994 Actual	1995 Est	1996 Est	1997 Est
Program by activities:									
Direct program:									
00.0101	Major construction	64,820	49,458	20,133	23,567	69,106	54,256	30,181	27,498
00.0201	Minor construction	3,904	4,000	4,169	4,326	5,781	3,469	4,976	2,612
00.0301	Planning	3,900	3,500	2,700	2,400	8,267	6,549	1,555	2,610
10.0001	Total	72,624	56,958	27,002	30,293	83,154	64,274	36,712	32,720
Financing:									
17.020	RECOV PY BAL OP					(1,510)			
21.4002	Unobligated balance available, start of year:								
21.020	For completion of prior year budget plans								
21.020	UNOB ST, NEWPLAN					(53,683)	(42,767)	(35,451)	(25,741)
21.4007	Reprogramming from/to prior year budget plans								
23.4002	Reduction pursuant to P.L. 99-177 in unoblig bal: Apr								
24.4002	Unobligated balance available, end of year:								
24.020	For completion of prior year budget plans					42,767	35,451	25,741	23,314
25.010	LAPSE, U/BAL					1,895			
25.0001	Unobligated balance lapsing								
39.020	P&FC ROUNDS, OP								
40.0001	Budget authority (Appropriation)	72,624	56,958	27,002	30,293	72,624	56,958	27,002	30,293
Relation of obligations to outlays:									
72.110	UNPAID OB,SOY					15,294	70,535	86,285	63,592
71.0001	Obligations incurred, net					83,154	64,274	36,712	32,720
77.110	OBLIG ADJUSTMNT					(57)			
78.110	OBLIG ADJUSTMNT					(1,510)			
90.110	PAYMNT CY PROG					6,059	2,848	1,350	1,515
90.111	PAYMNT PY PROG					20,287	45,676	58,055	44,488
OUTLAYS						26,346	48,524	59,405	46,003
74.110	UNPAID OBL,EOY					70,535	86,285	62,592	50,309

Mil. Con., Air Force Reserve
Object Classification (in Thousands of dollars) SUMMARY

10 JAN 95

Identification code	57-3730-0-1-051	1994 Actual	1995 Est	1996 Est	1997 Est
Direct obligations:					
Other services:					
125.003	Contracts	122	483	152	192
132.001	Land and Structure	4,981	4,468	4,698	4,782
199.001	Total Direct obligations	5,103	4,951	4,850	4,974
Allocation Accounts					
Other services:					
325.003	Contracts	8,648	2,489	1,380	1,732
332.001	Land and structures	69,403	56,834	30,482	26,014
399.001	Total Allocation Accounts	78,051	59,323	31,862	27,746
999.901	Total obligations	83,154	64,274	36,712	32,720
Obligations are distributed as follows:					
Defense - Military: Army					
Defense - Military: Navy					
Defense - Military: Air Force					
Total Obligations					
		83,154	64,274	36,712	32,720

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
MILITARY CONSTRUCTION PROGRAM - FISCAL YEAR 1996**

SPECIAL PROGRAM CONSIDERATIONS

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at installations have been reviewed to ensure that corrective action is accomplished in accordance with applicable standards and criteria.

Energy Conservation

Military construction projects specifically designed for energy conservation at installations have been developed, reviewed and selected with prioritization by energy savings per investment costs. Projects include improvements to existing facilities and utility systems to upgrade design, eliminate waste, and install energy saving devices. Projects are designed for minimum energy consumption.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, disposals and installation construction projects have been planned to allow for the proper management of flood plains and protection of wetlands by avoiding long term impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 22990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 900-400, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities in this program do not directly or indirectly affect any district, site, building, structure, object or setting listed in the National of Historic Places, except as noted on DD Form 1391.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Protection Act of 1969 (PL 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in this Military Construction Program.

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects included in this program. This program represents the most economical use of resources.

Reserve Manpower Potential

The Reserve manpower potential to meet and maintain authorized strengths of all Reserve flying/non-flying units in those areas in which these facilities are to be located has been reviewed. It has been determined, in coordination with all other services having Reserve flying/non-flying units in these areas, that the number of units of the Reserve components of the Armed Forces presently located in these areas, and those which have been allocated to the areas for future activation, is not and will not be larger than the number that can reasonably be expected to be maintained at authorized strength levels considering the number of persons living in these areas who are qualified for membership in those Reserve units.

Potential Use of Vacant Schools & Other State & Local Facilities

The potential use of vacant schools and other state and local owned facilities has been reviewed and analyzed for each facility to be constructed under this program.

Congressional Reporting Requirements

Page iii, titled "New Mission/Environmental/Current Mission Listing," is in response to a Senate Appropriations Committee requirement contained on page 10 (New and Current Mission Activities) of Report #100-380.

Unless otherwise noted, the projects comply with the scope and design criteria prescribed in Part II of Military Handbook 1190, "Facilities Planning and Design Guide."

Resolution Trust Corporation Real Estate Assets

In accordance with guidance contained in Senate Report 101-384, page 282, the Air Force Reserve is in the process of screening Fiscal Year 1994 construction requirements against the Resolution Trust Corporation (RTC) real estate asset inventory.

SECTION 3

**INSTALLATION AND PROJECT JUSTIFICATION DATA
DD FORMS 1390 AND 1391**

1. COMPONENT USAFR		FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 10 JAN 95	
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA					4. AREA CONSTR COST INDEX 0.74	
5. FREQUENCY AND TYPE UTILIZATION Facility to be used daily. Unit training assemblies are two days per month and field training is conducted 15 days per year.						
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air Force Installation (Gunter AFS) 1 Air National Guard Unit 4 Army National Guard Units						
7. PROJECTS REQUESTED IN THIS PROGRAM						
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE	
211-152	Composite Maintenance Facility	33,500 SF	3,608	8/92	9/94	
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION					<u>28 Sep 93</u> (Date)	
Approved for unilateral construction.						
9. LAND ACQUISITION REQUIRED					<u>NONE</u> (Number of Acres)	
10. PROJECTS PLANNED IN NEXT FOUR YEARS						
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR		
211-175	Aircraft Maintenance Hangar	34,800 SF	5,460	97		
217-712	Logistics Complex	22,200 SF	3,900	98		

1. COMPONENT USAFR	FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 JAN 95					
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA							
11. PERSONNEL STRENGTH AS OF 10 AUG 94							
	TOTAL	PERMANENT OFFICER ENLISTED	CIVILIAN	GUARD/RESERVE TOTAL OFFICER	ENLISTED		
AUTHORIZED	<u>55</u>	<u>1</u>	<u>54</u>	<u>0</u>	<u>114</u>	<u>1</u>	<u>113</u>
ACTUAL	<u>56</u>	<u>1</u>	<u>55</u>	<u>0</u>	<u>99</u>	<u>1</u>	<u>98</u>
12. RESERVE UNIT DATA							
UNIT DESIGNATION 908th Maintenance Squadron	STRENGTH <hr/> AUTHORIZED 114		ACTUAL 99				
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE C-130H	AUTHORIZED 8	ASSIGNED 8					

1. COMPONENT USAFR	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 01 FEB 1995
3. INSTALLATION AND LOCATION MAXWELL AIR FORCE BASE, ALABAMA		4. PROJECT TITLE COMPOSITE MAINTENANCE FACILITY		
5. PROGRAM ELEMENT 55396F	6. CATEGORY CODE 211-152	7. PROJECT NUMBER PNQS919002	8. PROJECT COST(\$000) 3,608	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
COMPOSITE MAINTENANCE FACILITY	SF	33,500	74	2,479
SUPPORTING FACILITIES				750
UTILITIES	LS			(500)
PAVEMENTS	LS			(100)
SITE IMPROVEMENTS	LS			(100)
DEMOLITION	LS			(50)
SUBTOTAL				3,229
CONTINGENCY (5%)				161
TOTAL CONTRACT COST				3,390
SUPERVISION, INSPECTION AND OVERHEAD (6%)				203
TOTAL REQUEST				3,593
TOTAL REQUEST (ROUNDED)				3,608
10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural steel frame, insulated walls and roof, fire protection system, utilities, and other necessary support.				
11. REQUIREMENT: 33,500 SF ADEQUATE: 0 SUBSTANDARD: 41,748 SF PROJECT: Construct a Composite Maintenance Facility. (Current Mission) REQUIREMENT: An adequate facility, properly sized and configured, for aircraft maintenance and associated equipment maintenance and storage. This facility provides area for nondestructive inspection, engine inspection and repair, storage, and general purpose aircraft maintenance shops. CURRENT SITUATION: Maintenance shops work in two geographically separated facilities. These facilities are not properly configured or located. They have outdated mechanical, electrical, and ventilation systems. The main facility is over 55 years old and has numerous fire system deficiencies requiring frequent maintenance and repairs. Neither building can be altered or upgraded to meet mission requirements. One of the existing facilities will be demolished upon completion of this project. IMPACT IF NOT PROVIDED: Vital aircraft maintenance functions will be degraded causing a detrimental affect on the unit's capability in performing it's assigned missions, therefore impacting national security. ADDITIONAL: This project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements."				

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		01 FEB 1995
3. INSTALLATION AND LOCATION		
MAXWELL AIR FORCE BASE, ALABAMA		
4. PROJECT TITLE	5. PROJECT NUMBER	
COMPOSITE MAINTENANCE FACILITY	PNQS919002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		92 AUG 04
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1995		100%
(d) Date 35% Designed.		92 DEC 21
(e) Date Design Complete		94 SEP 15
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		249
(b) All Other Design Costs		166
(c) Total		415
(d) Contract		
(e) In-house		415
(4) Construction Start		95 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT USAFR	FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 JAN 95												
3. INSTALLATION AND LOCATION MARCH AIR RESERVE BASE, CALIFORNIA		4. AREA CONSTR COST INDEX 1.26												
5. FREQUENCY AND TYPE UTILIZATION Facility to be used daily. Unit training assemblies are two days per month and field training is conducted 15 days per year. In addition, civilian base fire department personnel will use it 12 times a month (6 per shift).														
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air National Guard Unit														
7. PROJECTS REQUESTED IN THIS PROGRAM <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST (\$000)</th> <th style="text-align: left;">DESIGN START</th> <th style="text-align: left;">DESIGN COMPLETE</th> </tr> </thead> <tbody> <tr> <td>179-511</td> <td>Fire Training Facility</td> <td>1 EA</td> <td>1,550</td> <td>9/91</td> <td>6/95</td> </tr> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE	179-511	Fire Training Facility	1 EA	1,550	9/91	6/95
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE									
179-511	Fire Training Facility	1 EA	1,550	9/91	6/95									
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Approved for unilateral construction.		23 Mar 94 <i>(Date)</i>												
9. LAND ACQUISITION REQUIRED		NONE <i>(Number of Acres)</i>												
10. PROJECTS PLANNED IN NEXT FOUR YEARS <div style="text-align: center;">NONE</div> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: left;">COST (\$000)</th> <th style="text-align: left;">YEAR</th> </tr> </thead> <tbody> </tbody> </table>			CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR							
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR										

1. COMPONENT USAFR	FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 JAN 95			
3. INSTALLATION AND LOCATION MARCH AIR RESERVE BASE, CALIFORNIA					
11. PERSONNEL STRENGTH AS OF 10 AUG 94					
	TOTAL	PERMANENT OFFICER ENLISTED	CIVILIAN	GUARD/RESERVE TOTAL OFFICER	ENLISTED
AUTHORIZED	<u>5</u>	<u>0</u> <u>5</u>	<u>0</u>	<u>239</u> <u>11</u>	<u>228</u>
ACTUAL	<u>4</u>	<u>0</u> <u>4</u>	<u>0</u>	<u>231</u> <u>10</u>	<u>221</u>
12. RESERVE UNIT DATA					
UNIT DESIGNATION 452 Civil Engineering Group	STRENGTH <hr/> AUTHORIZED 244		ACTUAL 235		
13. MAJOR EQUIPMENT AND AIRCRAFT					
TYPE KC-135E C-141B	AUTHORIZED 10 8		ASSIGNED 10 8		

1. COMPONENT USAFR	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 01 FEB 1995
3. INSTALLATION AND LOCATION MARCH AIR RESERVE BASE, CALIFORNIA		4. PROJECT TITLE FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT 55356F	6. CATEGORY CODE 179-511	7. PROJECT NUMBER PCZP932502	8. PROJECT COST(\$000) 1,550	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIRE TRAINING FACILITY	LS			1,029
AIRCRAFT MOCK-UP & BURN PIT	EA	1	897,000	(897)
SEARCH & CONFINED SPACE TRAINING BLDG	EA	1	110,000	(110)
DRAFTING PIT	EA	1	22,000	(22)
SUPPORTING FACILITIES				365
UTILITIES & OIL/WATER SEPARATOR	LS			(55)
FUEL STORAGE TANKS	LS			(50)
SITE PREPARATION	LS			(95)
PAVEMENTS	LS			(85)
SECURITY FENCE	LS			(80)
SUBTOTAL				1,394
CONTINGENCY (5%)				70
TOTAL CONTRACT COST				1,464
SUPERVISION, INSPECTION AND OVERHEAD (6%)				88
TOTAL REQUEST				1,552
TOTAL REQUEST (ROUNDED)				1,550
10. Description of Proposed Construction: Circular burn area with double flexible membrane liners, water and fuel drainage systems, leak detection, effluent holding pond, fuel tanks, pumps, valves, controls, piping, aircraft mock-up, and compacted drive around area. Masonry and concrete Search and Confined Space Training facility with movable partitions, pipes, hatches, tanks, and small openings.				
11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA PROJECT: Construct Fire Training Facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. Facility must meet Clean Water Act (CWA) requirements (40 CFR 122) and all environmental and safety regulations. An impermeable lining below the pit prevents leaching into the ground and possible ground water contamination. Fire fighting personnel must also receive realistic fire/crash emergency training to maintain a high level of proficiency. Typical mission aircraft mock-ups ensure realism during training. CURRENT SITUATION: The existing live fire training facility has been closed since 1990 because of subsurface contamination and failure to meet CWA requirements. The existing area has been designated an Installaion Restoration Program (IRP) site. This situation has left the fire department without an environmentally safe live fire training facility. Alternative training methods have not proven satisfactory. Municipal airports in the vicinity have no acceptable fire training facilities and the nearest location is approximately 100 miles away at Edwards AFB. Long distance off-base training is unacceptable since fire crews and vehicles are removed from the base and cannot respond to base emergencies. IMPACT IF NOT PROVIDED: The existing live fire training area cannot be used without resulting environmental regulatory enforcement action.				

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		01 FEB 1995
3. INSTALLATION AND LOCATION		
MARCH AIR RESERVE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	PCZP932502	
<p>Off-site training is not feasible without compromising on-site emergency response capability. Aircraft and rescue firefighting proficiency will continue to degrade, resulting in increased potential for injury, loss of life, and/or loss of aircraft.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". The Air Force has developed a "standard" generic design for a Fire Training Facility which incorporates all firefighting requirements and environmental standards. The Search and Confined Space Training Facility is added to the standard design to satisfy recent confined space training requirements.</p>		

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		01 FEB 1995
3. INSTALLATION AND LOCATION		
MARCH AIR RESERVE BASE, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	PCZP932502	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		91 SEP 15
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1995		65%
(d) Date 35% Designed.		91 DEC 15
(e) Date Design Complete		95 JUN 04
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		SCOTT
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		72
(b) All Other Design Costs		132
(c) Total		204
(d) Contract		88
(e) In-house		116
(4) Construction Start		95 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT USAFR	FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 10 JAN 95		
3. INSTALLATION AND LOCATION GRISSOM AIR RESERVE BASE, INDIANA			4. AREA CONSTR COST INDEX 1.07		
5. FREQUENCY AND TYPE UTILIZATION Facility to be used daily. Unit training assemblies are two days per month and field training is conducted 15 days per year. In addition, civilian base fire department personnel will use it 12 times a month (6 each shift), and TDY reserve units will use it an additional 6 times a month.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air Force Guard Unit					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE
179-511	Fire Training Facility	1 EA	1,500	9/94	5/95
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION					13 Apr 94 (Date)
Approved for unilateral construction.					
9. LAND ACQUISITION REQUIRED					NONE (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR	
219-944	Pest Management Facility	1,000 SF	450	98	
871-183	Alter Hydrant Fueling System	LS	2,900	98	

1. COMPONENT USAFR	FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 JAN 95					
3. INSTALLATION AND LOCATION GRISSOM AIR RESERVE BASE, INDIANA							
11. PERSONNEL STRENGTH AS OF 10 AUG 94							
	TOTAL	PERMANENT OFFICER ENLISTED	CIVILIAN	GUARD/RESERVE TOTAL OFFICER	ENLISTED		
AUTHORIZED	<u>159</u>	<u>0</u>	<u>2</u>	<u>157</u>	<u>192</u>	<u>8</u>	<u>184</u>
ACTUAL	<u>131</u>	<u>0</u>	<u>2</u>	<u>129</u>	<u>180</u>	<u>9</u>	<u>171</u>
12. RESERVE UNIT DATA							
				STRENGTH			
UNIT DESIGNATION				AUTHORIZED	ACTUAL		
434 Civil Engineering Group				351	311		
13. MAJOR EQUIPMENT AND AIRCRAFT							
TYPE				AUTHORIZED	ASSIGNED		
KC-135R				20	20		

1. COMPONENT USAFR		FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE 01 FEB 1995	
3. INSTALLATION AND LOCATION GRISSOM AIR RESERVE BASE, INDIANA			4. PROJECT TITLE FIRE TRAINING FACILITY		
5. PROGRAM ELEMENT 55356F	6. CATEGORY CODE 179-511	7. PROJECT NUMBER CTGC979002	8. PROJECT COST(\$000) 1,500		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FIRE TRAINING FACILITY	LS			1,020	
AIRCRAFT MOCK-UP BURN PIT	EA	1	900,000	(900)	
SEARCH & CONFINED SPACE TRAINING BLDG	EA	1	100,000	(100)	
DRAFTING PIT	EA	1	20,000	(20)	
SUPPORTING FACILITIES				325	
UTILITIES & OIL/WATER SEPARATOR	LS			(50)	
FUEL STORAGE TANKS	LS			(45)	
SITE PREPARATION	LS			(85)	
PAVEMENTS	LS			(75)	
SECURITY FENCE	LS			(70)	
SUBTOTAL				1,345	
CONTINGENCY (5%)				67	
TOTAL CONTRACT COST				1,412	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				85	
TOTAL REQUEST				1,497	
TOTAL REQUEST (ROUNDED)				1,500	
10. Description of Proposed Construction: Circular burn area with double flexible membrane liners, water and fuel drainage systems, leak detection, effluent holding pond, fuel tanks, pumps, valves, controls, piping, aircraft mock-up, and compacted drive-around area. Search and Confined Space Training facility of masonry and concrete with movable partitions, pipes, hatches, tanks, and small openings.					
11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA PROJECT: Construct Fire Training Facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. Facility must meet Clean Water Act (CWA) requirements (40 CFR 122) and all environmental and safety regulations. An impermeable lining below the pit prevents leaching into the ground and possible ground water contamination. Fire fighting personnel must also receive realistic fire/crash emergency training to maintain a high level of proficiency. Typical mission aircraft mock-ups ensure realism during training. CURRENT SITUATION: The existing live fire training facility has been closed since 1990 because of subsurface contamination and failure to meet CWA requirements. The existing area has been designated an Installaion Restoration Program (IRP) site. This situation has left the fire department without an environmentally safe live fire training facility. Alternative training methods have not proven satisfactory. The municipal airport in the vicinity has no acceptable fire training facilities and the nearest location is approximately 70 miles away at Indianapolis International Airport. Long distance off-base training is unacceptable since fire crews and vehicles are removed from the base and cannot respond to base emergencies. IMPACT IF NOT PROVIDED: The existing live fire training area cannot be					

1. COMPONENT USAFR	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 01 FEB 1995
3. INSTALLATION AND LOCATION GRISSOM AIR RESERVE BASE, INDIANA		
4. PROJECT TITLE FIRE TRAINING FACILITY		5. PROJECT NUMBER CTGC979002
<p>used without resulting environmental regulatory enforcement action. Off-site training is not feasible without compromising on-site emergency response capability. Aircraft and rescue firefighting proficiency will continue to degrade, resulting in increased potential for injury, loss of life, and/or loss of aircraft.</p> <p><u>ADDITIONAL:</u> There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". The Air Force has developed a "standard" generic design for a Fire Training Facility which incorporates all firefighting requirements and environmental standards. The Search and Confined Space Training Facility is added to the standard design to satisfy recent confined space training requirements.</p>		

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		01 FEB 1995
3. INSTALLATION AND LOCATION		
GRISSOM AIR RESERVE BASE, INDIANA		
4. PROJECT TITLE	5. PROJECT NUMBER	
FIRE TRAINING FACILITY	CTGC979002	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		94 SEP 01
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1995		35%
(d) Date 35% Designed.		95 JAN 01
(e) Date Design Complete		95 MAY 15
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		SCOTT
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		75
(b) All Other Design Costs		134
(c) Total		209
(d) Contract		90
(e) In-house		119
(4) Construction Start		95 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT USAFR	FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION		2. DATE 10 JAN 95		
3. INSTALLATION AND LOCATION NIAGARA FALLS AIR RESERVE STATION, NEW YORK			4. AREA CONSTR COST INDEX 1.04		
5. FREQUENCY AND TYPE UTILIZATION Facility to be used daily. Unit training assemblies are two days per month and field training is conducted 15 days per year.					
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Air National Guard Unit 1 Army Guard Unit 1 Naval Reserve Unit					
7. PROJECTS REQUESTED IN THIS PROGRAM					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE
211-179	Fuels Systems Maintenance Hangar	24,400 SF	4,895	9/93	10/94
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION					23 Aug 94 (Date)
Revalidated for unilateral construction.					
9. LAND ACQUISITION REQUIRED					NONE (Number of Acres)
10. PROJECTS PLANNED IN NEXT FOUR YEARS					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR	
179-511	Fire Training Facility	LS	1,600	97	
171-443	Consolidated Training Facility	7,500 SF	1,200	98	

1. COMPONENT USAFR	FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 JAN 95				
3. INSTALLATION AND LOCATION NIAGARA FALLS AIR RESERVE STATION, NEW YORK						
11. PERSONNEL STRENGTH AS OF 10 AUG 94						
	PERMANENT TOTAL OFFICER ENLISTED CIVILIAN	GUARD/RESERVE TOTAL OFFICER ENLISTED				
AUTHORIZED	<u>55</u> <u>1</u> <u>54</u> <u>0</u>	<u>171</u> <u>2</u> <u>169</u>				
ACTUAL	<u>55</u> <u>1</u> <u>54</u> <u>0</u>	<u>166</u> <u>2</u> <u>164</u>				
12. RESERVE UNIT DATA						
UNIT DESIGNATION 914th Maintenance Squadron	STRENGTH <table style="margin: auto; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; padding: 2px 10px;">AUTHORIZED</td> <td style="border-bottom: 1px solid black; padding: 2px 10px;">ACTUAL</td> </tr> <tr> <td style="text-align: center; padding: 2px 10px;">171</td> <td style="text-align: center; padding: 2px 10px;">166</td> </tr> </table>		AUTHORIZED	ACTUAL	171	166
AUTHORIZED	ACTUAL					
171	166					
13. MAJOR EQUIPMENT AND AIRCRAFT						
TYPE C-130E	AUTHORIZED 8	ASSIGNED 8				

1. COMPONENT USAFR	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE 01 FEB 1995
3. INSTALLATION AND LOCATION NIAGARA FALLS AIR RESERVE STATION, NEW YORK			4. PROJECT TITLE FUEL SYSTEMS MAINTENANCE HANGAR	
5. PROGRAM ELEMENT 55396F	6. CATEGORY CODE 211-179	7. PROJECT NUMBER RVKQ979001	8. PROJECT COST(\$000) 4,895	
9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FUEL SYSTEMS MAINTENANCE HANGAR	SF	24,400	150	3,660
SUPPORTING FACILITIES				745
UTILITIES	LS			(225)
PAVEMENTS	LS			(310)
SITE IMPROVEMENTS	LS			(155)
OIL/WATER SEPARATOR	LS			(55)
SUBTOTAL				4,405
CONTINGENCY (5%)				220
TOTAL CONTRACT COST				4,625
SUPERVISION, INSPECTION AND OVERHEAD (6%)				278
TOTAL REQUEST				4,903
TOTAL REQUEST (ROUNDED)				4,895
10. Description of Proposed Construction: Construction consists of a pre-engineered steel frame building with slab-on-grade floor, insulated metal siding, sloped metal roof, and oversized hangar doors. Work includes utilities and all necessary support.				
11. REQUIREMENT: 24,400 SF ADEQUATE: 0 SUBSTANDARD: 22,894 SF PROJECT: Construct Fuels Systems Maintenance Hangar. (Current Mission) REQUIREMENT: An adequately sized and configured facility is required to provide day-to-day aircraft fuel systems maintenance in support of the reserve aircrew training missions. Hands on training for reserve fuel systems maintenance specialists is also required. CURRENT SITUATION: The existing fuel systems maintenance hangar was built in 1953. It is a wood structure causing very unsafe work conditions. The hangar has exceeded it's life expectancy. The structural trusses require costly and repeated maintenance and repair. IMPACT IF NOT PROVIDED: The effectiveness of aircraft maintenance and operational readiness will be impaired. Limited resources will continue to be wasted under existing environment. The ability of the unit to fully augment the active force will be degraded. ADDITIONAL: This project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements."				

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		01 FEB 1995
3. INSTALLATION AND LOCATION		
NIAGARA FALLS AIR RESERVE STATION, NEW YORK		
4. PROJECT TITLE	5. PROJECT NUMBER	
FUEL SYSTEMS MAINTENANCE HANGAR	RVKQ979001	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		93 SEP 30
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1995		100%
(d) Date 35% Designed.		94 APR 01
(e) Date Design Complete		94 OCT 01
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		50
(b) All Other Design Costs		380
(c) Total		430
(d) Contract		329
(e) In-house		101
(4) Construction Start		96 JAN
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT USAFR	FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION			2. DATE 10 JAN 95																									
3. INSTALLATION AND LOCATION YOUNGSTOWN AIR RESERVE STATION, OHIO				4. AREA CONSTR COST INDEX 0.92																									
5. FREQUENCY AND TYPE UTILIZATION Water distribution system is used daily. Additional aircraft parking apron is required for an increased C-130H mission. Electric Substation required to properly support the power demands of the base mission. Facilities are used daily.																													
6. OTHER ACTIVE/GUARD/RESERVE INSTALLATIONS WITHIN 15 MILE RADIUS 1 Navy Reserve Unit 1 Army Reserve Unit 1 Army National Guard Unit 1 Marine Corps Reserve Unit																													
7. PROJECTS REQUESTED IN THIS PROGRAM <table border="1"> <thead> <tr> <th>CATEGORY CODE</th> <th>PROJECT TITLE</th> <th>SCOPE</th> <th>COST (\$000)</th> <th>DESIGN START</th> <th>DESIGN COMPLETE</th> </tr> </thead> <tbody> <tr> <td>113-321</td> <td>Construct Aircraft Parking Apron</td> <td>27,000 SY</td> <td>3,350</td> <td>11/94</td> <td>5/99</td> </tr> <tr> <td>813-231</td> <td>Add to and Alter Electric Substation</td> <td>5,300 SF</td> <td>4,230</td> <td>11/94</td> <td>5/95</td> </tr> <tr> <td>842-245</td> <td>Upgrade Base Water Distribution Sys</td> <td>LS</td> <td>1,000</td> <td>8/94</td> <td>11/95</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE	113-321	Construct Aircraft Parking Apron	27,000 SY	3,350	11/94	5/99	813-231	Add to and Alter Electric Substation	5,300 SF	4,230	11/94	5/95	842-245	Upgrade Base Water Distribution Sys	LS	1,000	8/94	11/95
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	DESIGN COMPLETE																								
113-321	Construct Aircraft Parking Apron	27,000 SY	3,350	11/94	5/99																								
813-231	Add to and Alter Electric Substation	5,300 SF	4,230	11/94	5/95																								
842-245	Upgrade Base Water Distribution Sys	LS	1,000	8/94	11/95																								
8. STATE RESERVE FORCES FACILITIES BOARD RECOMMENDATION Approved for unilateral construction.					1 Jun 94 (Date)																								
9. LAND ACQUISITION REQUIRED					NONE (Number of Acres)																								
10. PROJECTS PLANNED IN NEXT FOUR YEARS <table border="1"> <thead> <tr> <th>CATEGORY CODE</th> <th>PROJECT TITLE</th> <th>SCOPE</th> <th>COST (\$000)</th> <th>YEAR</th> </tr> </thead> <tbody> <tr> <td>179-511</td> <td>Fire Training Facility</td> <td>LS</td> <td>1,500</td> <td>97</td> </tr> <tr> <td>871-183</td> <td>Apron Runoff/Stormwater Collection System</td> <td>LS</td> <td>1,200</td> <td>98</td> </tr> <tr> <td>832-266</td> <td>Upgrade Sanitary Sewer System</td> <td>LS</td> <td>600</td> <td>98</td> </tr> </tbody> </table>						CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR	179-511	Fire Training Facility	LS	1,500	97	871-183	Apron Runoff/Stormwater Collection System	LS	1,200	98	832-266	Upgrade Sanitary Sewer System	LS	600	98				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	YEAR																									
179-511	Fire Training Facility	LS	1,500	97																									
871-183	Apron Runoff/Stormwater Collection System	LS	1,200	98																									
832-266	Upgrade Sanitary Sewer System	LS	600	98																									

1. COMPONENT USAFR	FY 1996 GUARD AND RESERVE MILITARY CONSTRUCTION	2. DATE 10 JAN 95			
3. INSTALLATION AND LOCATION					
YOUNGSTOWN AIR RESERVE STATION, OHIO					
11. PERSONNEL STRENGTH AS OF 10 AUG 94					
	<u>TOTAL</u>	<u>PERMANENT</u> <u>OFFICER</u> <u>ENLISTED</u>	<u>CIVILIAN</u>	<u>GUARD/RESERVE</u> <u>TOTAL</u> <u>OFFICER</u>	<u>ENLISTED</u>
AUTHORIZED	<u>419</u>	<u>25</u> <u>139</u>	<u>255</u>	<u>889</u> <u>111</u>	<u>778</u>
ACTUAL	<u>404</u>	<u>25</u> <u>4</u>	<u>232</u>	<u>911</u> <u>118</u>	<u>793</u>
12. RESERVE UNIT DATA					
<u>UNIT DESIGNATION</u>	<u>STRENGTH</u>				
910 Airlift Group	<u>AUTHORIZED</u> 1,308	<u>ACTUAL</u> 1,315			
13. MAJOR EQUIPMENT AND AIRCRAFT					
<u>TYPE</u>	<u>AUTHORIZED</u>	<u>ASSIGNED</u>			
C-130H	8	8			

1. COMPONENT USAFR		FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE 01 FEB 1995	
3. INSTALLATION AND LOCATION YOUNGSTOWN AIR RESERVE STATION, OHIO			4. PROJECT TITLE CONSTRUCT AIRCRAFT PARKING APRON		
5. PROGRAM ELEMENT 55396F	6. CATEGORY CODE 113-321	7. PROJECT NUMBER ZQEL949011	8. PROJECT COST(\$000) 3,350		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
CONSTRUCT AIRCRAFT PARKING APRON		SY	27,000	100	2,700
SUPPORTING FACILITIES					290
STORM DRAINAGE		LS			(60)
TAXIWAY LIGHTING		LF	600	58	(35)
DEMOLITION/UTILITY RELOCATOR		LS			(40)
PAVEMENT MARKINGS			1	105,000	(105)
SITE IMPROVEMENTS			1	50,000	(50)
SUBTOTAL					2,990
CONTINGENCY (5%)					150
TOTAL CONTRACT COST					3,140
SUPERVISION, INSPECTION AND OVERHEAD (6%)					188
TOTAL REQUEST					3,328
TOTAL REQUEST (ROUNDED)					3,350
10. Description of Proposed Construction: Construct a concrete parking apron with nonfrost susceptible aggregate base and elastomeric joint sealant. Work includes taxiway lighting, drainage, demolition and relocation of existing utilities, relocation of water main and hydrants, pavement markings, and site work. Pavement design shall match the adjacent medium load pavement.					
11. REQUIREMENT: 27,000 SY ADEQUATE: 58,558 SY SUBSTANDARD: 0 PROJECT: Construct Aircraft Parking Apron. (New Mission) REQUIREMENT: Additional aircraft parking space is required for the increased C-130H aircraft mission. CURRENT SITUATION: Existing apron space will park eight C-130H aircraft at the required spacing and leave only enough room for the required taxiway lanes. Additional aircraft cannot be parked without compromising safety requirements. Taxiway lanes and aircraft spacing are not within established safety distances for any additional aircraft. IMPACT IF NOT PROVIDED: Without additional aircraft parking apron, the 910th Airlift Group will not be able to sustain any additional aircraft. ADDITIONAL: This project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements."					

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		01 FEB 1995
3. INSTALLATION AND LOCATION		
YOUNGSTOWN AIR RESERVE STATION, OHIO		
4. PROJECT TITLE	5. PROJECT NUMBER	
CONSTRUCT AIRCRAFT PARKING APRON	ZQEL949011	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		94 NOV 15
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1995		35%
(d) Date 35% Designed.		95 JAN 15
(e) Date Design Complete		95 MAY 15
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications		300
(b) All Other Design Costs		100
(c) Total		400
(d) Contract		275
(e) In-house		125
(4) Construction Start		95 DEC
b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)			2. DATE	01 FEB 1995
3. INSTALLATION AND LOCATION		4. PROJECT TITLE			
YOUNGSTOWN AIR RESERVE STATION, OHIO		ADD TO/ALTER ELECTRIC SUBSTATION			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
55396F	813-231	ZQEL959002	4,230		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ADD TO/ALTER ELECTRIC SUBSTATION				3,529	
ALTER/RELOCATE ELECTRIC SUBSTATION	SF	5,300	330	(1,749)	
ALTER/ADD SECONDARY UNDERGROUND DIST.	LF	20,000	89	(1,780)	
SUPPORTING FACILITIES				275	
EXTEND 69KV LINE & METERING	LS			(50)	
SITE IMPROVEMENTS	LS			(15)	
SHORT CIRCUIT/SYSTEM ANALYSIS	LS			(50)	
DEMOLITION	LS			(160)	
SUBTOTAL				3,804	
CONTINGENCY (5%)				190	
TOTAL CONTRACT COST				3,994	
SUPERVISION, INSPECTION AND OVERHEAD (6%)				240	
TOTAL REQUEST				4,234	
TOTAL REQUEST (ROUNDED)				4,230	
10. Description of Proposed Construction: Build a new substation and demolish the existing one. Supply 2500KVA transformers with LTC-69KV primary with 12.47KV WYE secondary & all related equipment. Replace all base distribution transformers with 12.47KV WYA instead of 4.8KV. Modify all related equipment & wiring. Demolish overhead distribution system & replace with an underground duct system for voltage & communications.					
11. REQUIREMENT: 5,300 LS ADEQUATE: 0 SUBSTANDARD: 0 PROJECT: Add to and Alter Electrical Substation. (New Mission) REQUIREMENT: An electrical substation with new loop feed and underground power distribution system to properly support the power demands of the current aircraft mission. This project is required to meet all Federal, State, and Local laws and regulations for the design of substations and voltage distribution systems. Existing electrical substation and distribution system will be demolished. CURRENT SITUATION: The present electrical system will not support current or future facility needs. The existing 1500 KVA transformer and distribution system is over 40 years old and overloaded. IMPACT IF NOT PROVIDED: Without the increased electrical capacity provided by this project, Youngstown ARS will not be able to supply the electrical load necessary for the mission. ADDITIONAL: This project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements."					

1. COMPONENT USAFR	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE 01 FEB 1995
3. INSTALLATION AND LOCATION YOUNGSTOWN AIR RESERVE STATION, OHIO		
4. PROJECT TITLE ADD TO/ALTER ELECTRIC SUBSTATION		5. PROJECT NUMBER ZQEL959002
12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started 94 NOV 15 (b) Parametric Cost Estimates used to develop costs Y (c) Percent Complete as of Jan 1995 35% (d) Date 35% Designed. 95 JAN 15 (e) Date Design Complete 95 MAY 15 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 225 (b) All Other Design Costs 125 (c) Total 350 (d) Contract 275 (e) In-house 75 (4) Construction Start 95 SEP b. Equipment associated with this project will be provided from other appropriations: N/A		

1. COMPONENT USAFR		FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE 01 FEB 1995	
3. INSTALLATION AND LOCATION YOUNGSTOWN AIR RESERVE STATION, OHIO			4. PROJECT TITLE UPGRADE BASE WATER DISTRIBUTION SYSTEM		
5. PROGRAM ELEMENT 55356F	6. CATEGORY CODE 842-245	7. PROJECT NUMBER ZQEL969015	8. PROJECT COST(\$000) 1,000		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UPGRADE BASE WATER DISTRIBUTION SYSTEM		LS			900
SUBTOTAL					900
CONTINGENCY (5%)					45
TOTAL CONTRACT COST					945
SUPERVISION, INSPECTION AND OVERHEAD (6%)					57
TOTAL REQUEST					1,002
TOTAL REQUEST (ROUNDED)					1,000
10. Description of Proposed Construction: Replace metal or asbestos cement water lines with PVC pipe. Install new water valves and hydrants with the new pipe. Build a heated recirculation water pumping station and post treatment facility for the base water system.					
11. REQUIREMENT: As required. PROJECT: Upgrade Base Water Distribution System. (Current Mission) REQUIREMENT: This is a Level I environmental compliance project. The present system was installed 40 years ago, and has metal and asbestos cement pipe. Building construction and fire hydrant replacements have caused a base water flow problem. The installation of PVC water lines and new water valves, hydrants, and building service lines are required to lower iron content and raise residual chlorine levels in the base water system. A post treatment facility is also required to ensure compliance with the EPA National Primary Drinking Water Regulations (40 CFR 141) and EPA National Secondary Drinking Water Regulations (40 CFR 143). CURRENT SITUATION: The water supply lines are 40 years old. Some pipes are metal and asbestos cement. The age of the lines and low water circulation have caused water quality problems. In the past chlorine has been injected into our system to meet residual requirements of 40 CFR 141. Water circulation can be improved by flushing fire hydrants, however, this method requires daily maintenance and is especially costly. IMPACT IF NOT PROVIDED: This system will continue to deteriorate with the possibility of additional hazards caused by the asbestos cement pipe. Frequent and costly maintenance will be required to help alleviate water system circulation problems. Low chlorine residuals and high iron readings will violate EPA National Drinking Water Regulations 40 CFR 141 and 143.					

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		01 FEB 1995
3. INSTALLATION AND LOCATION		
YOUNGSTOWN AIR RESERVE STATION, OHIO		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE BASE WATER DISTRIBUTION SYSTEM	ZQEL969015	
<p><u>ADDITIONAL:</u> This project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirement".</p>		

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
USAFR		01 FEB 1995
3. INSTALLATION AND LOCATION		
YOUNGSTOWN AIR RESERVE STATION, OHIO		
4. PROJECT TITLE	5. PROJECT NUMBER	
UPGRADE BASE WATER DISTRIBUTION SYSTEM	ZQEL969015	
12. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		94 AUG 12
(b) Parametric Cost Estimates used to develop costs		Y
(c) Percent Complete as of Jan 1995		35%
(d) Date 35% Designed.		94 DEC 16
(e) Date Design Complete		95 NOV 01
(2) Basis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		100
(b) All Other Design Costs		150
(c) Total		250
(d) Contract		200
(e) In-house		50
(4) Construction Start		96 FEB
b. Equipment associated with this project will be provided from other appropriations: N/A		

**DEPARTMENT OF THE AIR FORCE
AIR FORCE RESERVE
JUSTIFICATION OF ESTIMATES FOR FISCAL YEAR 1996**

APPROPRIATION: MILITARY CONSTRUCTION, AIR FORCE RESERVE

PROGRAM 341.020 UNSPECIFIED MILITARY CONSTRUCTION \$4,169,000

PART I - PURPOSE AND SCOPE

The funds requested for unspecified military construction will finance new construction projects having cost estimates not in excess of \$400,000.

PART II - JUSTIFICATION OF FUNDS REQUESTED

The funds requested for unspecified military construction will finance unforeseen projects generated during the year and are necessary to support mission requirements.

1. COMPONENT		FY 1997 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
AIR FORCE					
3. INSTALLATION AND LOCATION			4. PROJECT TITLE		
VARIOUS LOCATIONS			UNSPECIFIED MINOR CONSTRUCTION		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
5.53.96	010-211	PAYZ970003	4,169		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
UNSPECIFIED MINOR CONSTRUCTION		LS			4,169
SUBTOTAL					4,169
TOTAL CONTRACT COST					4,169
TOTAL REQUEST					4,169
TOTAL REQUEST (ROUNDED)					4,169
10. Description of Proposed Construction: Various minor construction projects having costs greater than \$300,000 but not in excess of \$400,000.					
11. REQUIREMENT: As required. PROJECT: N/A REQUIREMENT: This appropriation provides a lump sum amount for unspecified minor construction projects, not otherwise authorized by law, having a funded cost greater than \$300,000 but not in excess of \$400,000, including construction, alteration or conversion of temporary facilities, in accordance with Title 10, USC 2233 and 2233a. These projects are not now identified but are expected to arise in FY 97. IMPACT IF NOT PROVIDED: No means to accomplish exigent projects less than \$400,000 will exist, severely degrading the ability of the Air Force Reserve to efficiently and effectively address unforeseen facility modification, alteration and conversion requirements.					

SECTION 4

**ARCHITECTURAL AND ENGINEERING SERVICES
AND CONSTRUCTION DESIGN**

1. COMPONENT		FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)		2. DATE	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE			
VARIOUS LOCATIONS		PLANNING AND DESIGN			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
5.53.96	010-211	PAYZ960000	2,700		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
PLANNING AND DESIGN (CURRENT MISSION)		LS			2,700
SUBTOTAL					2,700
TOTAL CONTRACT COST					2,700
TOTAL REQUEST					2,700
TOTAL REQUEST (ROUNDED)					2,700
10. Description of Proposed Construction:					
11. REQUIREMENT: As required. PROJECT: N/A REQUIREMENT: Funds for architectural and engineering services and construction provide for the completed design of facilities and evaluation of designs in terms of technical adequacy and estimated costs. In addition, these funds are required to prepare site surveys, develop master plans, working drawings, specifications, project planning reports, and design required for those construction projects included in the Air Force Reserve Military Construction Program. The advanced age and continued deterioration of the Air Force Reserve physical plant and infrastructure have generated numerous facility requirements requiring these architectural and engineering services for design. It is essential the Air Force Reserve be funded at the requested level to ensure operational readiness is not hampered or degraded due to inadequate facilities. IMPACT IF NOT PROVIDED: Continued design on this fiscal year program, as well as future year MILCON programs, will be impossible.					